



Product Datasheet
CD66de (CEACAM3/5) monoclonal antibody
Catalogue Code: AGIM0168

Antibody Data

Product SKU:	AGIM0168	Clone	308/3-3
Applications:	FC	Conjugate	Unconjugated
Reactivity:	Human		

Immunogen Information:

Host Species: Mouse

Isotype: IgG1 kappa

Storage: Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles

Background:

CD66e, also known as CEACAM5 (Carcinoembryonal Antigen (CEA)-related Cell Adhesion Molecule 5, is a glycosyl phosphatidyl inositol- (GPI-) anchored glycoprotein. CEACAM5 and related genes make up the CEA family belonging to the immunoglobulin superfamily. CD66e is involved in cell adhesion. Additionally it serves as pathogen receptor (e.g. Helicobacter pylori, Neisseria, Moraxella, Candida albicans). Antibodies to CEACAM5 are commonly used in immunohistochemistry to identify cells expressing the glycoprotein in tissue samples. However, CEACAM5 is also found in serum where it can be used as a tumor marker. In adults, CEACAM5 is primarily expressed in epithelia of the gastrointestinal tissue often together with CEACAM1, CEACAM6 and CEACAM7. CD66d (CEACAM3) is TM-anchored glycoprotein with signalling properties* and also serves as pathogen receptor. In adults it is expressed in granulocytes together with CEACAM1, CEACAM6 and CEACAM8.